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Arthur J. Ela,
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Harrison R. Bartlett,
William V. Hagar,
Kenneth T. Adams,
Raymond V. Miller,
Frederic L. Peacock,

Ray L. Schoppe,
Conrad T. Bussell,
Leroy P. Raynor,
Gardiner Luce,
Lyman D. Graham,
Stanley T. Barker,
Leo C. Wilder,
Paul V. Lane,
Wilmer O. Hinkley,
George H. Durgin,
Charles K. Green,
George L. Bean.

Also there shall be transferred to the service and jurisdiction of the War Department, and I do hereby appoint and direct that they be commissioned and ordered to active duty as of date of this order, in the Officer's Reserve Corps in the grades set opposite their names, the following named persons now part of the commissioned personnel of the Coast and Geodetic Survey:

John T. Watkins, captain, U. S. R.,
Carey V. Hodgson, captain, U. S. R.,
John H. Peters, captain, U. S. R.,
John D. Powell, first lieutenant, U. S. R.,
Isaiah M. Dailey, first lieutenant, U. S. R.,
Otis W. Swainson, first lieutenant, U. S. R.,
George D. Cowie, first lieutenant, U. S. R.,
Ernest E. Reese, first lieutenant, U. S. R.,
Frank S. Borden, first lieutenant, U. S. R.,
Max Steinberg, first lieutenant, U. S. R.,
Harry T. Kelsh, Jr., first lieutenant, U. S. R.,
Ernest W. Eickelberg, first lieutenant, U. S. R.,
Arthur S. Hallberg, first lieutenant, U. S. R.,
William H. Clark, first lieutenant, U. S. R.,
Bert C. Freeman, first lieutenant, U. S. R.,
Raymond A. Wheeler, second lieutenant, U. S. R.,
Andrew C. Witherspoon, second lieutenant, U. S. R.,
Herbert R. Grummann, second lieutenant, U. S. R.,
Roland K. Bennett, second lieutenant, U. S. R.,
Max O. Witherbee, second lieutenant, U. S. R.,
Payson A. Perrin, second lieutenant, U. S. R.,
Aaron L. Shalowitz, second lieutenant, U. S. R.,
Roland D. Horne, second lieutenant, U. S. R.,
Robert J. Hole, second lieutenant, U. S. R.,
Frederick E. Joekel, second lieutenant, U. S. R.,
Harrold W. Pease, second lieutenant, U. S. R.,
Benjamin Galos, second lieutenant, U. S. R.,
John W. Cox, second lieutenant, U. S. R.,
George R. Hartley, second lieutenant, U. S. R.,

Also there shall be transferred to the service and jurisdiction of the War Department, and I do hereby appoint and direct that they be commissioned and ordered to active duty as of date of this order in the Officer's Reserve Corps in the

grades set opposite their names, the following named persons now part of the personnel of the Coast and Geodetic Survey:

Edmund P. Ellis, captain, U. S. R.,
James W. McGuire, captain, U. S. R.,
Earl F. Church, first lieutenant, U. S. R.,
Oscar S. Adams, first lieutenant, U. S. R.,
Percy B. Castles, first lieutenant, U. S. R.,
Charles A. Mourhess, first lieutenant, U. S. R.,
Walter D. Lambert, first lieutenant, U. S. R.,
Walter N. McFarland, second lieutenant, U. S. R.,
S. L. Rosenberg, second lieutenant, U. S. R.,
H. S. Rappleye, second lieutenant, U. S. R.

The War and Navy Departments shall return to the service and jurisdiction of the Department of Commerce any or all of the material or personnel of the United States Coast and Geodetic Survey transferred by this order when directed by me so to do.

WOODROW WILSON

THE WHITE HOUSE,

24 September, 1917

SCIENTIFIC NOTES AND NEWS

PLANS are under way for the Pittsburgh meeting of the American Association for the Advancement of Science from December 28 to January 2. The Carnegie Institute, the Carnegie Institute of Technology and the University of Pittsburgh are uniting in preparing to entertain the association. Dr. W. J. Holland, director of the Carnegie Museum, is chairman of the committee on arrangements, and S. B. Linhart, secretary of the University of Pittsburgh, is secretary of the committee. Secretaries of affiliated societies and of other organizations meeting at this time are requested to send to the secretary as soon as possible the approximate number of members of each organization who expect to attend; the time for which meetings are to be arranged; also any social functions which will be included in their plans; and also whether lantern or moving picture equipment will be required for any of these meetings. Information in regard to entertainment, hotel rates, etc., can be secured from the secretary.

THE Bell Memorial, erected in honor of Alexander Graham Bell and his invention in 1874, of the telephone, was unveiled on October 21, at Brantford, by the Duke of Devon-

shire, governor general of Canada. Mr. Bell took part in the ceremonies. The memorial is the work of W. S. Allward of Toronto. It is on the Bell homestead, dedicated as the Alexander Graham Bell gardens. W. F. Cockshutt, M.P., originator of the plan, and president of the Bell Memorial Association, described Mr. Bell's work resulting in the sending of the first message over a real line in 1875 between Brantford and Paris, Ont.

THE Albert Medal conferred recently on Mr. Orville Wright by the Royal Society was presented to him by Lord Northcliffe on October 27.

TEMPORARY Brigadier-General Auckland Campbell Geddes, M.D., professor of anatomy in McGill University, has had conferred on him the honor of Knight Commander of the Order of the Bath. Dr. Geddes is now director of recruiting in England.

IN the department of chemical engineering of the University of Michigan all but one member of the faculty has left for active service. Every effort made by the university to replace them temporarily proved unavailing, owing to the unprecedented demand for men in this branch. The situation became so acute that several manufacturing concerns of the state, who employ expert chemical engineers, and the Michigan Agricultural College came to the aid of the university and it opens with a complete staff in this department. Dr. C. D. Holley, of the White Lead and Color Works, of Detroit, will act as head of the department during the absence of Professor A. H. White. Professor W. Platt Wood, of the chemical engineering faculty of the Michigan Agricultural College, has also been given leave of absence for the entire year. In addition the university has secured the services of J. C. Brier, of the Holland, Michigan, Chemical Company, and C. F. Smart, of the United States Graphite Company, of Saginaw.

A DIVISION of the Food Administration under the direction of Charles W. Merrill, of San Francisco, has been created to cover the chemicals involved in the production and conservation of foods. This division will co-

operate with the other chemical committees of the government in their activities looking to the control and allocation of chemicals used as insecticides, fertilizers, and in refrigeration and other preservative methods.

SINCE the opening of the war Professor John Zeleny of the University of Minnesota has been engaged in perfecting devices for submarine detection, and is serving on a board for making practical tests at the submarine base at New London of other devices which have been submitted to the government for the detection of submarines. This work is still in progress.

DEAN GEORGE B. FRANKFORTER, of the school of chemistry of the University of Minnesota, and a member of the research committee of the Minnesota Public Safety Commission, has been commissioned major in the ordnance department of the army and will be given a leave of absence to attend to the duties of his new position.

PROFESSOR CHARLES W. COBB, associate professor of mathematics in Amherst College, has been granted leave of absence for one year to enter the aviation work of the government. He will hold a position in the Bureau of Instruction that supervises the teaching in the eight ground schools for aviators.

MAJOR DANA H. CRISSY, for four years professor of mathematics at West Point, has been appointed commandant of the government school of aeronautics at Princeton.

DR. FRANK C. HAMMOND, who is connected with the Samaritan Hospital, has been appointed a member of the board of health of Philadelphia to serve during the absence in France of Dr. Alexander C. Abbott, who entered the Army Medical Corps several months ago.

WILLIAM H. WARREN, professor of chemistry in Wheaton College, Norton, Mass., and captain in the Quartermaster Corps, United States Reserve, has been placed on active duty and stationed at Camp Hancock, Augusta, Ga.

PROFESSOR GEORGE C. WHIPPLE, of Harvard University, and Professor C.-E. A. Winslow,

of the Medical School of Yale University, have returned from Russia, where they were members of the American Red Cross Mission to assist in the sanitary survey.

PROFESSOR WALLACE C. SABINE, Harvard exchange professor at Paris last year, has returned to America.

PROFESSOR DR. THEODORE KOCHER, chief surgeon of the Inselspital, Berne, Switzerland, and professor at the medical faculty of the University of Berne, died on July 27.

UNIVERSITY AND EDUCATIONAL NEWS

THE teaching hospital of the University of Nebraska college of medicine was dedicated with appropriate ceremonies on October 17, the principal speaker being Chancellor Avery of the university. The new structure, now in full operation with a capacity of 119 beds, was made possible by three legislative appropriations, \$150,000 for the building; \$65,000 for equipment and \$100,000 for a biennial maintenance.

PROFESSOR HENRY C. ANDERSON, of the mechanical engineering department, of the University of Michigan, who has been on leave of absence for the past two years, has been appointed head of the department in place of Professor John R. Allen, who resigned to accept the deanship in the college of engineering at the University of Minnesota.

PROFESSOR C. F. CURTIS RILEY, who has been in charge of the department of biology at the State Normal College, Milwaukee, Wisconsin, for the past four years, has been appointed special lecturer in animal behavior, in the department of forest zoology, at the New York State College of Forestry at Syracuse University.

DR. L. G. ROWNTREE, of the University of Minnesota, has declined the deanship of the Illinois school of medicine. His salary at Minnesota has been increased to six thousand dollars and an additional appropriation has been made for the further development of his department of medicine.

DR. CARL ROSENOW (Ph.D., Chicago '17), and Dr. Jacob Kantor (Ph.D. '14, Ph.D. '17, Chicago) have been appointed instructors in the department of psychology of the University of Chicago.

AT the college of medicine of the University of Nebraska Dr. Maurice I. Smith, for several years connected with the department of pharmacology at the University of Michigan, has been placed in charge of the department of pharmacology. Mr. J. A. Kittleson, of the University of Minnesota, has accepted the position of assistant professor of anatomy and Dr. S. A. Rubnitz has been made instructor in biochemistry.

AT Queen's University, Kingston, Canada, E. Flammer, Ph.D. (Harvard), has been appointed assistant professor of physics; O. F. S. Smith, M.Sc. (Pennsylvania State) has been made lecturer in the same department. In the department of geology, Kirtley F. Mather, Ph.D. (Chicago), has been promoted from associate professor to professor of paleontology.

DR. OLAF BERGEIM of the department of physiological chemistry of Jefferson Medical College, has been promoted to associate in that department.

DR. A. E. SHIPLEY, Master of Christs College, Cambridge University, has succeeded to the office of vice chancellor of the University, in succession to the Rev. T. C. Fitzpatrick, president of Queen's College.

DISCUSSION AND CORRESPONDENCE ALGONKIAN BACTERIA AND POPULAR SCIENCE

THERE are two points in Dr. R. S. Breed's communication of September 7 entitled "Popular Science" to which I would like to call attention.

First, my obvious error in the citation from page 292 of *The Scientific Monthly*. How this *non sequitur* slipped through my reading and that of Dr. I. J. Kligler I do not know. It is a wholly illogical statement which is corrected and replaced in the following sentence of my